

Title (en)
HYBRID ANTENNA WITH POLARIZATION FLEXIBILITY

Title (de)
HYBRIDANTENNE MIT POLARISATIONSFLEXIBILITÄT

Title (fr)
ANTENNE HYBRIDE À FLEXIBILITÉ DE POLARISATION

Publication
EP 4147369 A1 20230315 (EN)

Application
EP 21799467 A 20210503

Priority
• US 202063021607 P 20200507
• US 2021030419 W 20210503

Abstract (en)
[origin: US2021351520A1] An electronic device includes: a first pair of antennas having a first polarization along a first direction in a plane, where the first pair of antennas are spatially offset from each other along a second direction in the plane; and a second pair of antennas having a second polarization along the second direction, where the second pair of antennas are spatially offset from each other along the first direction. During operation, the electronic device may configure switching elements to: select the first pair of antennas and electrically couple the second pair of antennas to ground; or select the second pair of antennas and electrically couple the first pair of antennas to ground. Then, the electronic device may communicate a packet or a frame with a second electronic device via the selected first pair of antennas or the second pair of antennas.

IPC 8 full level
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CPC (source: EP US)
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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

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US 11631942 B2 20230418; **US 2021351520 A1 20211111**; CN 115485982 A 20221216; EP 4147369 A1 20230315; WO 2021225936 A1 20211111

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